TR-WM-138 (04/15)
Formerly ERS-6294 UST (R. 02/12)

Wisconsin Department of Agriculture, Trade and Consumer Protection
Bureau of Weights and Measures, Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837
(608) 224-4942

FOR OFFICE USE ONLY

Reg Obj #:

Wis. Admin. Code §ATCP 93.115

CHECKLIST FOR UNDERGROUND TANK INSTALLATION

The information you provide may be used for purposes other than that for which it was originally collected (s.15.04(1)(m) Wis. Stats.)
Complete one form for each tank and related piping.

This checklist covers the installation of: ☐ **Tank** ☐ **Piping**

A. IDENTIFICATION: (Please Print)

1. Installation Name			2. Owner Legal Name			
Installation Street Address (not P.O. Box)			Owner Street Address			
☐ City ☐ Village ☐ Town:			☐ City ☐ Village ☐ Town:		State	Zip Code
State	Zip Code	County	County	Telephone No. ( )	Email address	

	Installer Verified	Inspector Verified	NA
B. PLAN APPROVAL			
1. Plans have been submitted and approved.	☐	☐	☐
2. State plan number/LPO plan number is: _____			
3. Tank Capacity: _____ gallons. Tank contents, if known: _____			
C. TANK CONSTRUCTION			
1. Tank is new and carries UL or other national testing label.	☐	☐	☐
2. Tank is used, but has been recertified to meet current codes and standards.	☐	☐	☐
3. Tank is corrosion protected (☐ fiberglass or ☐ composite tank) and matches the equipment listed in the plan review.	☐	☐	☐
4. Gasoline and other Class I flammable tank vents discharge at least 12 feet above ground level, discharge only upward, and do not terminate under eaves or near a building opening.	☐	☐	☐
5. Fuel oil, diesel or other Class II or III A liquid storage tank vents are at least 4 feet above ground level.	☐	☐	☐
6. Overfill protection device is installed and matches plan submittal.	☐	☐	☐
7. Spill containment device installed.	☐	☐	☐
D. TANK HANDLING AND TESTING			
1. Tank coating was inspected and any damage to the coating repaired.	☐	☐	☐
2. Pre-installation test of double-walled tank: ☐ 1) pressurize inner tank to a maximum of 5 psi, seal inner tank and disconnect external air supply, monitor for one hour. After one hour, pressurize the interstitial space with a maximum 5 psi air from the inner tank and use a second gauge for monitoring the pressure. Soap all surfaces, seams and fittings and inspect for bubbles. OR ☐ 2) Tank interstitial maintaining original factory vacuum/liquid fill level requirements	☐	☐	☐
3. Tank tested after backfilling through precision test, approved tank gauge or interstitial monitor.	☐	☐	☐
4. Tank gauge or interstitial monitor verified as operative.	☐	☐	☐
E. TANK SITE AND BACKFILL			
1. Tank located a minimum of 3 feet from property lines and 1 foot from buildings.	☐	☐	☐
2. Tank is spaced a minimum of 2 feet from any other tank.	☐	☐	☐
3. Backfill for composite or fiberglass clad steel tank is clean, washed, well granulated sand, crushed rock, or pea gravel no larger than 3/4 inch.	☐	☐	☐
4. Backfill for fiberglass tank is pea gravel naturally round with minimum diameter of 1/8 inch and maximum size of 3/4 inch or crushed rock or gravel between 1/8 and 1/2 inch in size.	☐	☐	☐
5. Minimum of 1 foot of compacted backfill in bottom of excavation. (If hold down pads are used, bedding may be reduced to 6 inches.)	☐	☐	☐
6. Hold down pads compacted backfill over top of pad: ☐ Fiberglass tank - 1 foot ☐ Steel tank - 6 inches	☐	☐	☐
7. Backfill material placed over tank to a depth of at least 1 foot	☐	☐	☐
8. Backfill compaction is adequate to securely and evenly support the tank and prevent movement/settlement.	☐	☐	☐
9. Excavation is in a bog, swampy area or landfill and a filter fabric was used to prevent the migration of the backfill material.	☐	☐	☐
10. Tank in area of vehicle traffic, 3 feet of earth cover or 18 inches of earth plus 6 inches of reinforced concrete or 8 inches of asphalt.	☐	☐	☐
11. Tank in area not subject to traffic, a minimum of 2 feet of earth or 1 foot of earth plus 4 inches of reinforced concrete or 6 inches of asphalt.	☐	☐	☐
F. TANK ANCHORAGE			
1. Installation is in an area of high water table or subject to flooding and tank is anchored.	☐	☐	☐
a. Anchor straps for fiberglass tank were nonmetallic and were placed according to manufacturer's specifications.	☐	☐	☐
b. Anchor straps for steel tank were either nonmetallic or electrically isolated from the tank structure. (All metal fittings are protected from corrosion.)	☐	☐	☐
c. Mid-anchoring with non-conductive material between tank and concrete.	☐	☐	☐
G. PIPING (Indicate whether piping is ☐Fiberglass; ☐Steel; or ☐Flexible)			
1. Piping maintains a 1/8 inch per foot slope to a sump or a tank.	☐	☐	☐
2. Piping trench provides at least 18 inches of compacted backfill and paving on top of piping.	☐	☐	☐
3. Pipes are separated by at least twice the pipe diameter.	☐	☐	☐
4. Pipes are separated from the trench excavation sidewalls by at least 6 inches.	☐	☐	☐
5. Piping was isolated from the tank and dispenser and tested at 150% of operating pressure of the system (but not less that 50 psi) for 1 hour prior to and after backfilling.	☐	☐	☐
6. Secondary containment piping was tested for tightness before it was covered, enclosed or placed in use. For rigid secondary piping test at 10 psi	☐	☐	☐
For flexible secondary piping, test at manufacturers' recommendation: _____ psi.	☐	☐	☐

- CONTINUE ON NEXT PAGE -

	Installer Verified	Inspector Verified	NA
7. After backfilling, piping was isolated from the tank and dispenser and precision tested at 110% of operating pressure but not less than 50 psi for 1 hour.	☐	☐	☐
8. Piping was isolated from the tank and dispenser and tested through another approved means prior to and after backfilling. Indicate method(s): Prior	☐	☐	☐
After	☐	☐	☐

H. PRE-OPERATIONAL FUNCTIONALITY VERIFICATION (Both TANK and PIPING)

1. Tank test including ullage verified tank is tight	☐	☐	☐
2. Sumps and spill buckets have been verified as liquid tight	☐	☐	☐
3. All sensors have been verified as functional	☐	☐	☐
4. ATG setup has been verified as accurate and functional	☐	☐	☐
5. Leak detection method has been verified functional within the respective methodology parameters	☐	☐	☐

I. PRIMARY LEAK DETECTION (Check which applies under both TANK and PIPING)

Tank

☐ Electronic interstitial monitoring

Manufacturer:_____ Sensor/Probe #: _____

Model Name/#:_____ Material Approval #:_____

Piping

Pipe construction material: ☐**Fiberglass** ☐ **Flexible** ☐ **Other (type):** _____

Primary Piping System Type: ☐ Pressurized piping ☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable

Piping Catastrophic leak detection method: ☐ Pressurized piping with ⇨A). ☐ Pump auto shutoff - ELLD B.) ☐ Flow restrictor – MLLD;

M*anufacturer/Model*:_____

Piping leak detection method: ☐ Electronic interstitial monitoring – sump sensor or leak sensing cable

M*anufacturer/Sensor Model*: _____

J. INSTALLER CERTIFICATION

Installation Company Name (print)		Installation Company Mailing Address	City/State/Zip Code
Company Telephone No. ( )	Company Email Address	Certified Installer Name (print)	Installer Certification No.

I certify that the tank system and related components have been installed according to the manufacturer's instructions, conditionally approved plans, and complies with ATCP 93.

Installer Signature: _____ Date Signed: _____

K. INSPECTOR INFORMATION

Inspection Dates: 1) 2) 3) 4) 5) 6)

Inspection Company name:_____

Inspector Signature:_____ Inspector #:_____ Local Operator #:_____

Date Signed: _____ Fire department providing coverage: _____ FDID #: _____

L. Comments:

TANK REGISTRATION FORM TR-WM-137 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH INSTALLATION CHECKLIST.

Copy Distribution: DATCP Inspector Contractor Owner